SERVICE ENTRANCE - OVERHEAD

Transformer Rated

480 V Max., 2000 A Max.

USE: Typical arrangement of service equipment to supply electric energy where instrument transformer rated overhead meter installations are required.

PREVIOUS REVISION	ORIGINATED	PREVIOUS NUMBER
04-01-13	03-94	ER 1-190, 12-12-89

LATEST REVISION: Added instrument transformer cabinet position height, updated figure, and general revisions to rest of standard.

REFERENCE: Indiana Electrical Code / National Electrical Code (IEC / NEC), latest revision
National Electrical Safety Code (NESC), latest revision
ER 5-500

SPECIFICATION:

1. GENERAL:

1.1 All equipment, except the transformer rated meter socket, instrument transformers, and wiring between the instrument transformers and the transformer rated meter socket, shall be owned, installed, and maintained by the customer.

1.2 The electrical equipment shall be installed in a neat and workmanlike manner per the National Electric Code.

1.3 The service installation shall be in accordance with the IEC / NEC, as well as the rules and requirements of any recognized legal inspection service in effect in the community, and be satisfactory, to the company.

1.4 The service installation shall be adequately grounded in accordance with the IEC / NEC.

1.5 The customer shall provide meter identification satisfactory to the company so that the location of each meter and it's respective disconnect(s), with respect to the location being serviced is easily determined. For installations involving multiple meters, the meter socket and it's respective main disconnect shall be labeled per Standard ER 5-500.

1.6 The meter position height, as measured from the top of the meter at the transformer rated meter socket to the final grade (floor) level, shall be 5 feet.

1.7 The instrument transformer cabinet position height, as measured from the bottom of the instrument transformer cabinet to the final grade (floor) level, shall be 2 feet 6 inches (30 inches).

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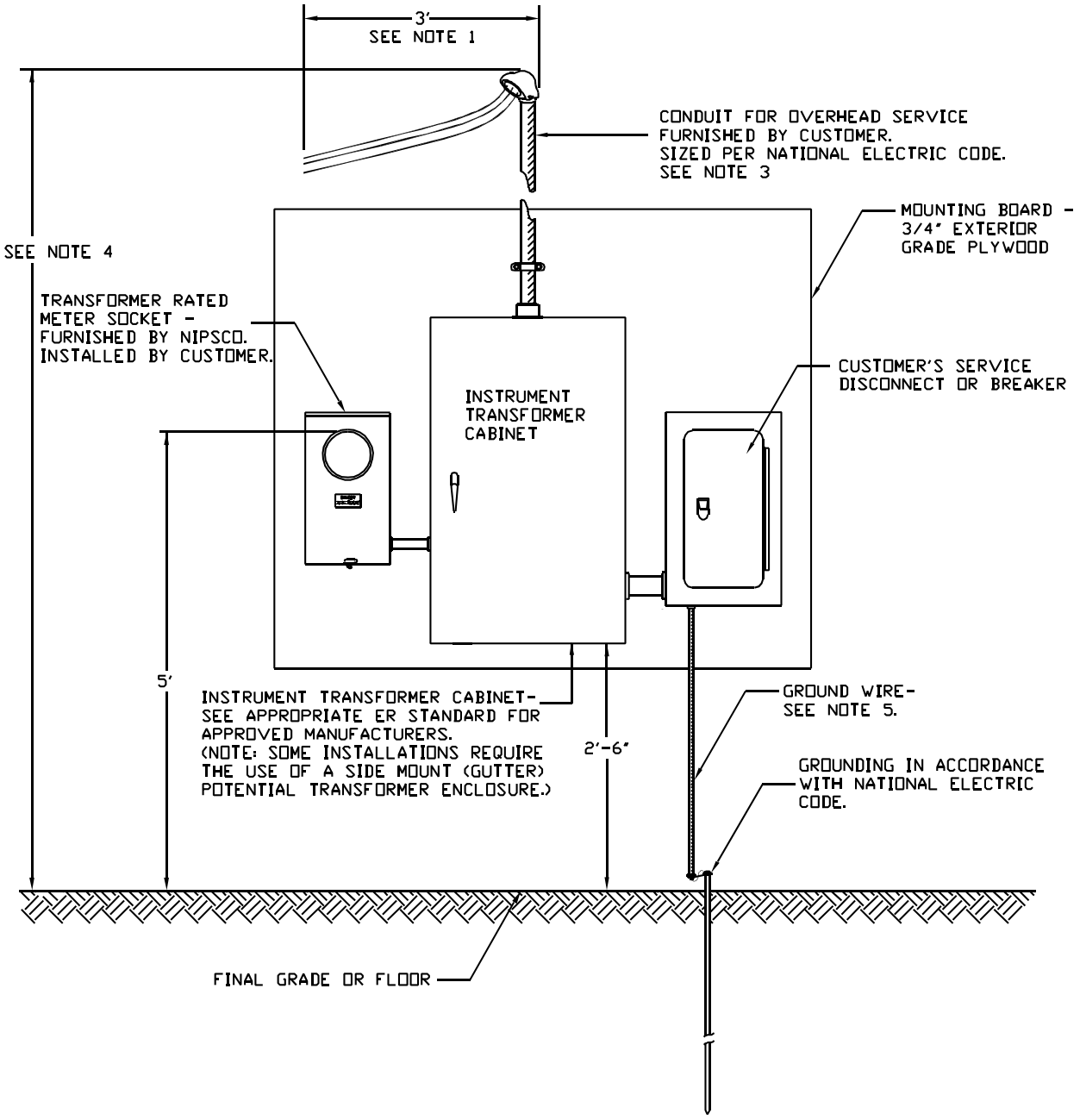

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NOTES:

1. The conductors in the entrance run shall extend at least three (3) feet beyond the upper end of the raintight service head.
2. A clearance of three (3) feet shall be maintained in front of the metering equipment.
3. The overhead riser shall consist of an approved weatherhead and conduit and shall be sized in accordance with the National Electrical Safety Code.
4. The height of the overhead riser shall be as specified in the National Electrical Code and the National Electrical Safety Code.
5. The customer's ground wire shall not originate in or pass through the transformer rated meter socket.
6. The conduit installed between the transformer rated meter socket and the instrument transformer cabinet shall be 1-1/2" minimum. The transformer rated meter socket and instrument transformer cabinet shall be effectively bonded per the National Electrical Code. Bonding jumpers shall be used around concentric knockouts.
7. The service disconnect means shall be installed at a readily accessible location nearest the point of entrance of the service entrance conductors.